

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS****Date of Report: January 31, 1995****Date Received: January 27, 1995****Project: 7238, Acid Tank Heavy Mtls., PO #M40142****Date Samples Extracted: January 27, 1995****Date Extracts Analyzed: January 27, 1995**

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR CADMIUM, CHROMIUM, LEAD, COPPER, NICKEL AND ZINC
Samples Processed Using Method 3005
Results Reported as mg/L (ppm)**

<u>Sample ID</u>	<u>Cadmium</u>	<u>Chromium</u>	<u>Lead</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M40142 A (Large Tank)	<0.5	20,000	14	2,700	15,000	150
M40142 B (Small Tank)	<0.5	11,000	27	7,000	13,000	37
<u>Quality Assurance</u>						
Blank	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
M40142 B (Small Tank) (Duplicate)	<0.5	11,000	20	7,300	14,000	42
M40142 B (Small Tank) (Matrix Spike) % Recovery	77%	ai	ai	ai	ai	ai
M40142 B (Small Tank) (Matrix Spike Duplicate) % Recovery	73%	ai	ai	ai	ai	ai
Spike Blank % Recovery	98%	101%	94%	102%	100%	97%
Spike Level	50	50	100	50	100	50

ai The amount spiked was insufficient to give meaningful recovery data.

FRIEDMAN & BRUYA, INC.
3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282

SAMPLE CHAIN OF CUSTODY

01 BTB BI
01-27-95
11:22

Send Report To: Alaskan Copper Works Contact GERALD Thompson
Company 625 Hawthorn St
Address Seattle WA 98134
City, State, Zip (206) 623-5800 X379 Date 1-27-95
Phone #

SITE NO. 7238 PROJECT NAME Acid Tank Heavy MTLs PURCHASE ORDER # M 40142

SAMPLERS (signature) [Signature] PROJECT LOCATION

REMARKS SAMPLE DISPOSAL INFORMATION
☐ Dispose after 30 days
☒ Return Samples
☐ Call for Instructions

Sample #	Date/Time Sampled	Type of Sample	# of Jars	Lab Sample #	Analyses Requested
M 40142 A (Large Tank)	1/27/95 10:30	Acid	1	56615	Cd Cr Cu Ni Pb Zn
M 40142 B (Small Tank)	1/27/95 10:30	Acid	1	56616	Cd Cr Cu Ni Pb Zn

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by: <u>[Signature]</u>	GERALD Thompson	Alaskan Copper Works	1/27/95	10:18
Received by: <u>Cathy Riggs</u>	CATHY RIGGS	FBI	1/27/95	11:19A
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman
James E. Bruya, Ph.D.
(206) 285-8282

3012 16th Avenue West
Seattle, WA 98119-2029
FAX: (206) 283-5044

DUPLICATE COPY

January 31, 1995

INVOICE # 95ACU0131-2

**Alaskan Copper Works
628 South Hanford
Seattle, WA 98134**

**RE: Project 7238, Acid Tank Heavy Mtls., PO #M40142: Results of testing
requested by Gerald Thompson, Project Leader for material submitted on
January 27, 1995.**

**2 water samples analyzed for Cadmium, Chromium,
Lead, Copper, Nickel and Zinc @ \$85 per sample**

\$ 170.00

Amount Due

\$ 170.00

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman
James E. Bruya, Ph.D.
(206) 285-8282

3012 16th Avenue West
Seattle, WA 98119-2029
FAX: (206) 283-5044

January 31, 1995

**Gerald Thompson, Project Leader
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134**

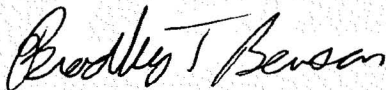
Dear Mr. Thompson:

**Enclosed are the results from the testing of material submitted on January 27, 1995
from your project #7238, Acid Tank Heavy Mtls., PO #M40142.**

**We appreciate this opportunity to be of service to you and hope you will call if you
should have any questions.**

Sincerely,

FRIEDMAN & BRUYA, INC.



**Bradley T. Benson
Chemist**

**jdp
Enclosures**